Engineering Interpretations

Physical Properties

This table shows estimates of some characteristics and features that affect soil behavior. These estimates are given for the major layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils. Information in this table includes depth, percent clay, moist bulk density, permeability, available water capacity, shrink-swell potential, K and T erosion factors, wind erodibility group, and percent organic matter.

Properties

DEPTH to the upper and lower boundaries of each layer is indicated.

CLAY (percent) as a soil separate, or component, consists of mineral soil particles that are less than 0.002 millimeters in diameter. The estimated clay content of each major soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

MOIST BULK DENSITY is the weight of soil (oven dry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3 bar moisture tension. Weight is determined after drying the soil at 105 degrees C. The estimated moist bulk density of each major soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter.

PERMEABILITY OR SATURATED HYDRALIC CONDUCTIVITY refers to the ability of a soil to transmit water or air. The estimates indicate the rate of movement of water through the soil when the soil is saturated. They are based on soil characteristics in the field, particularly structure, porosity, and texture.

AVAILABLE WATER CAPACITY refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage in each major soil layer is stated in inches of water per inch of soil. The capacity varies, depending on soil properties that affect the retention of water and the depth of the root zone.

SHRINK-SWELL POTENTIAL OR LINEAR EXTENSIBILITY is the potential for volume change in a soil with a loss or gain in moisture. Volume change occurs mainly because of the interaction of clay minerals with water and varies with the amount and type of clay minerals in the soil.

EROSION FACTOR K indicates the susceptibility of a soil to sheet and rill erosion by water (see Section I, Erosion Prediction).

EROSION FACTOR T is an estimate of the maximum average annual rate of soil erosion that can occur over a sustained period without affecting crop productivity. The rate is expressed in tons per acre per year (see Section I, Erosion Prediction).

ORGANIC MATTER is the plant and animal residue in the soil at various stages of decomposition.

This subsection includes:

• (a) Physical Properties

Map symbol	Depth	 Sand		Clay	 Moist	 Saturated	 Available	Linear	 Organic	Erosi	on fac	tors	I	Wind erodi
and soil name	Bepen 				bulk density	hydraulic conductivity	water	extensi-	matter	 Kw	 Kf	 T		bility index
	In	Pct	 Pct	Pct	 g/cc	um/sec	 In/in	Pct	 Pct					
73055:			 			 					 	 	 	
Alred	0-1											4	8	0
	1-7	10-40	50-80	5-15	1.20-1.45		0.09-0.15		1.0-10	.15	.32	ĺ	İ	ĺ
	7-11	10-40	50-80	5-15	1.25-1.45	4.00-14.00	0.12-0.17	0.0-2.9	0.5-2.0	1.15	.37	ĺ		İ
	11-30	10-40	40-80		1.40-1.55		0.06-0.15		0.2-1.0	.15	.37			
	30-80	0-30	5-40	45-95	1.50-1.65	1.40-4.00	0.07-0.09	3.0-5.9	0.1-1.0	.05	.10			
Rueter	0-1		 		 	 	 	 	 		 	3	 8	0
	1-4	10-40	50-80	5-15	1.05-1.25	4.00-14.00	0.09-0.15	0.0-2.9	2.0-10	.15	.37			
	4-17	10-40	50-80	5-15	1.05-1.25	4.00-14.00	0.12-0.18	0.0-2.9	0.2-3.0	.20	.49			
	17-32	10-40	40-80		1.15-1.35		0.06-0.15	0.0-2.9	0.2-1.0	.15	.37			
	32-43	5-35	25-50			1.40-4.00	0.05-0.08		0.2-1.0	.10	.20			
	43-71	1-30	5-40	60-95	1.50-1.70	1.40-4.00	0.04-0.09	3.0-5.9	0.2-1.0	.05	.10			
73139:		 	 			 	 		 		 		 	
Poynor	0-1		ĺ ĺ		l							3	8	0
	1-4	10-40					0.15-0.20		1.0-8.0	.15	.37			
	4-13	10-40		5-15	1.25-1.45	4.00-14.00	0.12-0.18	0.0-2.9	0.2-2.0	.20	.49			
	13-24	10-40	40-80		1.40-1.55		0.05-0.12	0.0-2.9	0.2-1.0	.05	.43			
	24-80	1-30	10-50	45-90	1.50-1.65	1.40-4.00	0.07-0.09	3.0-5.9	0.2-0.3	.02	.10			
Clarksville	0-1				 	 	 	 	 		 	3	 8	0
	1-5	10-40	50-70				0.15-0.20	0.0-2.9	2.0-10	.17	.28			
	5-8	10-40					0.12-0.18	l .	0.5-2.0	.17	.37			
	8-18	10-40					0.09-0.14		0.1-1.0	.10	.32			
	18-42	15-50					0.05-0.12		0.1-0.5	.05	.32			
	42-65 I	10-40	15-40	40-60	1.35-1.55	4.00-14.00	0.04-0.08	3.0-5.9	0.1-0.2	.05	.20	 	 	
Scholten	0-1		 		 		 	 	 		 	3	8	0
	1-3	10-40	50-80				0.15-0.20		2.0-7.0	.20	.37			
	3-8	10-40	50-80			14.00-42.00	0.12-0.18	0.0-2.9	1.0-2.0	.37	.49			
	8-17	5-30			l .		0.08-0.12		0.7-2.0	.15	.37			
	17-41	5-30				0.01-0.42	0.02-0.06	1	0.2-0.3	.15	.37			
	41-80	5-25	10-50	35-80	1.35-1.55	4.00-14.00	0.01-0.05	3.0-5.9	0.0-0.2	1.10	.15			

Map symbol	 Depth	 Sand	 Silt	Clay	 Moist	 Saturated	 Available		 Organic	Erosi	on fac	tors	erodi-	Wind erodi-
and soil name	 		 		bulk density	hydraulic conductivity 	water capacity 	extensi- bility	matter 	 Kw	 Kf 	 T 		bility index
		Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
73140:							ļ	ļ		ļ	ļ	_		
Clarksville	0-1											3	8	0
	1-6	10-40				14.00-42.00	0.15-0.20		2.0-10	.10	.37			
	6-13	10-40				14.00-42.00	0.12-0.18		0.5-2.0	1.15	.43			
	13-21	10-40				14.00-42.00	0.09-0.14		0.2-1.0	1.10	.37			
	21-43 43-66	15-50	20-60 15-40		l .	4.00-14.00 4.00-14.00	0.05-0.12	!	0.2-0.5	.05	.28			-
	43-66	10-40	15-40	40-60		4.00-14.00 	0.04-0.06	3.0-5.9	0.1-0.2	.05	.15	 		
Scholten	 0-1		 		 	 	 	 	 		 	 3	 8	0
	1-6	10-40	50-80	5-15	1.20-1.40	14.00-42.00	0.09-0.15	0.0-2.9	1.0-5.0	.20	.37	i	İ	İ
	6-13	10-40	50-80			14.00-42.00	0.12-0.18	0.0-2.9	0.6-2.0	.20	.49	İ	İ	İ
	13-34	20-52	20-60	10-30	1.30-1.45	14.00-42.00	0.06-0.10	0.0-2.9	0.1-0.7	.05	.37	İ	İ	İ
	34-58	15-45	20-60	15-30	1.55-1.75	0.01-0.42	0.02-0.06	0.0-2.9	0.0-0.5	.10	.43	ĺ	İ	İ
	58-80	10-45	10-50	35-80	1.35-1.55	4.00-14.00	0.01-0.05	3.0-5.9	0.0-0.3	.10	.17			
73141:						<u> </u>								
Firebaugh	0-1											4	5	56
	1-4	5-20				4.00-14.00	0.22-0.24		2.0-5.0	.49	.49			
	4-8	5-25	65-90		1.25-1.40		0.22-0.24		1.0-2.0	.55	.55	ļ		
	8-21	5-25	45-75			4.00-14.00	0.16-0.20		0.5-1.0	.32	.37			
	21-36	5-35				0.42-1.40	0.06-0.12		0.2-0.3	1.10	.37			
	36-71 	5-40 	15-40 	35-60	1.35-1.60 	1.40-4.00	0.06-0.12	3.0-5.9	0.2-0.2	.10	.20	 		
73142:	Ì		ĺ		Ì	Ì	ĺ	ĺ	ĺ	İ	Ì	ĺ	İ	İ
Firebaugh	0-1											4	5	56
	1-4	5-25			0.95-1.15		0.22-0.24		2.0-5.0	.37	.49			
	4-11	5-25	65-90		1.25-1.40	!	0.22-0.24		1.0-2.0	.55	.64			
	11-28	5-25	50-75			4.00-14.00	0.16-0.20		0.5-1.0	.24	.37			
	28-39	5-35				0.42-1.40	0.06-0.12	1	0.2-0.3	.20	.49			
	39-71 	5-40 	15-40 	35-60	1.35-1.60	1.40-4.00	0.06-0.12	3.0-5.9	0.2-0.2	1.20	.32 	 		
73143:				10.05										56
Courtois	0-7	1	50-80	-	1.20-1.40	1	0.18-0.23		1.0-10	.49	.49	4	5	56
	7-15	2-20			1.25-1.55		0.17-0.21		0.5-3.0	.37	.37			
	15-32 32-80	2-25	1		1.40-1.60		0.06-0.14		0.2-1.0	.28	.28			
	3∠-8U	1-25	5-40	00-95	1.30-1.60	4.00-14.00	0.06-0.10	3.0-5.9	0.1-1.0	1 .12	.15	ļ		

Map symbol	 Depth	 Sand	 Silt	Clay	 Moist	 Saturated	 Available	 Linear	 Organic	Erosi	on fac	tors	1	Wind erodi-
and soil name	 	 	 	- 	bulk density	hydraulic conductivity 	water capacity 	extensi- bility 	matter 	 Kw	 Kf	 T 	bility group 	bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
73144:				10 07		1 4 00 14 00	10 0 00					4		
Courtois	0-7		50-80 50-85		1.20-1.40		0.18-0.23		1.0-10	.49	.49	4	5	56
	7-15	2-20	50-85 35-60		1.25-1.55	I .	0.17-0.21		0.5-3.0	37	.37			
	15-32 32-80	1-25			1.40-1.60 1.30-1.60		0.06-0.14 0.06-0.10		0.2-1.0	.28 .15	.28 .15			
73145:			 		 	 		 	 					
Crider	0-8	2-20	50-80	10-27	1.00-1.20	4.00-14.00	0.22-0.24	0.0-2.9	2.0-5.0	.43	.43	5	5	56
	8-32	2-20			1.20-1.45		0.18-0.22	0.0-2.9	0.3-0.9	.43	.43	İ		İ
	32-74	2-25	35-70	30-55	1.20-1.55	4.00-14.00	0.08-0.18	3.0-5.9	0.2-0.5	.32	.32	į	İ	į
73146:	 	 	 		 	 		 	 			 		
Marquand	0-5	5-25			0.95-1.15		0.22-0.24		2.0-5.0	.49	.49	5	5	56
	5-8	5-25			0.95-1.15		0.22-0.24		0.9-2.0	.49	.49			
	8-22		50-75			1.40-4.00	0.17-0.22	Į.	0.2-0.9	.43	.43	!	ļ	
	22-43	2-20			1.25-1.45		0.17-0.20		0.2-0.3	.43	.43			
	43-80	2-30	35-70 	25-40	1.30-1.50	1.40-4.00	0.14-0.20	0.0-2.9	0.2-0.3	.32	.37	l I		
73147:					 	 								
Fourche	0-6	2-20	50-80		1.00-1.20	I .	0.20-0.22	I	1.0-5.0	.43	.43	5	5	56
	6-30	2-20				1.40-4.00	0.16-0.20	1	0.2-0.9	.43	.43			
	30-54	2-20				1.40-4.00	0.14-0.18		0.2-0.3	.32	.32	!	ļ	
	54-66	1-25 	10-40	50-80	1.30-1.60	1.40-4.00	0.08-0.12	3.0-5.9	0.2-0.3	.15	1.15	 		
73148:						 								
Jonca	0-5	10-40	1		1.05-1.35		0.22-0.24		2.0-6.0	.32	.32	4	5	56
	5-12	10-40			1.05-1.35	I .	0.22-0.24		0.5-2.0	.32	.32	ļ	ļ	
	12-32	10-40				1.40-14.00	0.18-0.20		0.2-0.5	.32	.32	ļ		
	32-52	20-70			1.60-1.90	•	0.04-0.10		0.2-0.4	.28	.32			
	52-62		10-50		1.25-1.50	1	0.04-0.10	1	0.2-0.4	.32	.32			
	 		 		 	0.00-0.00		 	 			 		
73149:	<u> </u>				İ	İ		İ		İ		İ	İ	
Caneyville	0-4	2-30			1.00-1.20	I .	0.23-0.24	0.0-2.9	2.0-5.0	.28	.28	2	5	56
	4-11	2-20	20-60			1.40-4.00	0.10-0.16	3.0-5.9	0.5-2.0	.24	.24			
	11-29	2-20			!	1.40-4.00	0.10-0.16		0.2-1.0	.15	.15]		

Map symbol	 Depth	 Sand	 Silt	Clav	 Moist	Saturated	 Available	 Linear	 Organic	Erosi	on fact	tors	Wind erodi-	Wind erodi
and soil name					bulk density	hydraulic conductivity	water	extensi- bility	matter 	 Kw	 Kf 	 T	bility group	1
	In In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
73149: (cont) Bucklick	 0-5	2 20	 50-80	10 07	1 20 1 40			 0.0-2.9	2.0-4.0			 4	 6	 48
Bucklick	0-5 5-30	1			1.30-1.40		0.22-0.24		1	32	.32 .32	4	6	48
		2-20	1		1.30-1.40		0.10-0.16	1	0.5-2.0	1				
	30-46	1-40	10-60 	40-80	1.30-1.40 	4.00-14.00	0.06-0.12	6.0-9.0 	0.2-1.0	.24	.24 	 	 	
73150:	 		 		 		 	 	 		 	 	 	
Caneyville	0-8	2-30	50-80	10-27	1.00-1.20	4.00-14.00	0.22-0.24	0.0-2.9	2.0-5.0	.28	.28	2	5	56
-	8-18	2-20	20-60	27-50	1.25-1.55	1.40-4.00	0.10-0.16	3.0-5.9	0.5-2.0	.24	.24	İ	İ	İ
	18-30	2-20	20-60	35-70	1.25-1.55	1.40-4.00	0.10-0.16	3.0-5.9	0.2-1.0	.15	.15	İ	İ	İ
	i						i	 	j			İ	į	į
Bucklick	0-3		 50-80		1.30-1.40		0.23-0.24		2.0-4.0	.24	 .28	 4	 6	48
	3-16	2-20	20-70			4.00-14.00	0.10-0.16	1	0.5-2.0	.24	.24			
	16-45	1-40	10-60	40-80	1.30-1.40	4.00-14.00	0.06-0.12	6.0-9.0	0.2-1.0	.15	.17			
73151:									 					
Caneyville							ļ	ļ	ļ			2	5	56
	1-4	2-30	1	-	1.00-1.20		0.22-0.24	1	2.0-5.0	.28	.28	ļ		-
	4-11	2-20	20-60		1.25-1.55		0.10-0.16		0.5-2.0	.24	.24			
	11-31	2-20	1		1	1.40-4.00	0.10-0.16	I	0.2-1.0	.15	.15	ļ		
Gasconade	0-3	2-20	40-60	40-60	1.35-1.50	4.00-14.00	0.11-0.15	3.0-5.9	6.0-12	.10	.10	1	5	56
	3-16	2-40	20-60	35-70	1.45-1.70	1.40-4.00	0.04-0.10	3.0-5.9	2.0-10	1.10	.20	İ	İ	İ
	 	 	 				 	 	 		 	 	j i	į i
Bucklick	0 1	 	 	 	 		 	 	 		 	 4	 6	1 40
RUCKIICK	1	1			I		I	I	I	I	I	4	l p	48
	1-6 6-31	2-20	50-80 20-70		1.30-1.40		0.22-0.24	1	2.0-4.0	32	32			
			1		1.30-1.40		0.10-0.16	I	0.5-2.0	1.24	.32 .24			
	31-47	1-40	10-60 	40-80	1.30-1.40	4.00-14.00	0.06-0.12	6.0-9.0	0.2-1.0	.24	.24 	ļ	ļ	

Depth	Sand	Silt	Clay	Moist	 Saturated	 Available	 Linear	 Organic	Erosid	on lac	tors	1	Wind erodi-
	 	 		bulk density	hydraulic conductivity 	water capacity 	extensi- bility	matter 	 Kw	 Kf 	 T 	1 -	bility index
In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
0 1												_	
					l	I	I	I		l	2	5	56
						1	1	I	1				
									1				
9-25	23-52 		15-30	1.25-1.50	14.00-42.00	0.16-0.20	0.0-2.9	0.3-0.9	.28	.28 	 		
0_1	 	 				 	j I	j I	İ	 	 1	2	 86
	1 1								1		+	3	00
								1				İ	
	1	1				I .						İ	
0-1	i i							i			2	5	56
1-4	 43-75	20-50	5-10	1.05-1.35	4.00-42.00	0.13-0.18	0.0-2.9	2.0-6.0	.20	.24	i -		
4-11	25-65	20-70	5-10	1.25-1.50	14.00-42.00	0.17-0.21	0.0-2.9	1.0-2.0	.32	.37	İ	İ	İ
11-28	23-52	30-50	15-30	1.25-1.50	14.00-42.00	0.16-0.20	0.0-2.9	0.3-0.9	1.17	.24	İ	İ	İ
		j	j				j	j			İ	İ	į
0-1	 			 	 	 	 	 		 	 1	3	 86
1-3	43-75	20-50	5-10	1.05-1.35	42.00-141.00	0.13-0.18	0.0-2.9	2.0-8.0	.05	.20	ĺ	İ	İ
3-7	43-75	20-50	5-10	1.25-1.50	42.00-141.00	0.10-0.16	0.0-2.9	1.0-3.0	.05	.15			
7-17	23-75	20-50	7-27	1.25-1.50	l	0.10-0.15	0.0-2.9	0.5-2.0	.05	.32			
					0.42-1.40	 					 		
0-1											1	3	86
	1	1							1	ı			
	43-75	20-50						1.0-3.0	.05	.15			
		!				!	!		1	!			[
	0-1 1-3 3-9 9-25 0-1 1-3 3-7 7-17 0-1 1-4 4-11 11-28 0-1 1-3 3-7 7-17 0-1 1-3 3-7 7-17	0-1	0-1 1-3 20-50 50-70 3-9 25-65 20-70 9-25 23-52 30-50 0-1 1-3 43-75 20-50 3-7 23-75 20-50 7-17 23-75 20-50 7-17 23-75 20-50 4-11 25-65 20-70 11-28 23-52 30-50 0-1 1-3 43-75 20-50 3-7 43-75 20-50 7-17 23-75 20-50 7-17 23-75 20-50 7-17 23-75 20-50 7-17 23-75 20-50 7-17 23-75 20-50 7-17 23-75 20-50 7-17 23-75 20-50	0-1 1-3 20-50 50-70 5-10 3-9 25-65 20-70 5-10 9-25 23-52 30-50 15-30 0-1 1-3 43-75 20-50 5-10 3-7 23-75 20-50 5-10 7-17 23-75 20-50 5-10 4-11 25-65 20-70 5-10 1-28 23-52 30-50 15-30 0-1 1-28 23-52 30-50 15-30 0-1 1-3 43-75 20-50 5-10 3-7 43-75 20-50 5-10 3-7 43-75 20-50 5-10 3-7 43-75 20-50 5-10 3-7 43-75 20	In Pct Pct Pct g/cc 0-1 1-3 20-50 50-70 5-10 1.05-1.35 3-9 25-65 20-70 5-10 1.25-1.50 9-25 23-52 30-50 15-30 1.25-1.50 1-3 43-75 20-50 5-10 1.05-1.35 3-7 23-75 20-50 5-10 1.25-1.50 1-4 43-75 20-50 5-10 1.25-1.50 1-28 23-52 30-50 15-30 1.25-1.50 1-28 23-52 30-50 15-30 1.25-1.50 1-3 43-75 20-50 5-10 1.25-1.50 1-4 43-75 20-50 5-10 1.25-1.50 1-7 23-75 20-50 5-10 1.25-1.50 1-8 23-52 30-50 5-10 1.25-1.50 1-9 1-1 43-75 20-50 5-10 1.25-1.50 1-1 1-2 43-75 20-50 5-10 1.25-1.50 1-3 43-75 20-50 5-10 1.25-1.50 1-4 1-5 43-75 20-50 5-10 1.25-1.50 1-7 23-75 20-50 5-10 1.25-1.50 1-7 7 23-75 20-50 5-10 1.25-1.50 1-7 7 23-75 20-50 5-10 1.25-1.50 1-7 7 23-75 20-50 5-10 1.25-1.50 1-7 7 23-75 20-50 5-10 1.25-1.50 1-7 7 23-75 20-50 7-27 1.25-1.50 1-7 7 23-75 20-50 7-27 1.25-1.50 1-7 7 23-75 20-50 7-27 1.25-1.50 1-7 7 23-75 20-50 7-27 1.25-1.50 1-7 7 23-75 20-50 7-27 1.25-1.50 1-7 7 7 7 7 7 7 7 7 7	In Pct Pct Pct g/cc um/sec 0-1 1-3 20-50 50-70 5-10 1.05-1.35 4.00-42.00 3-9 25-65 20-70 5-10 1.25-1.50 14.00-42.00 9-25 23-52 30-50 15-30 1.25-1.50 14.00-42.00 1-3 43-75 20-50 5-10 1.05-1.35 42.00-141.00 3-7 23-75 20-50 5-10 1.25-1.50 42.00-141.00 7-17 23-75 20-50 5-10 1.05-1.35 42.00-141.00 11-28 23-52 30-50 15-30 1.25-1.50 14.00-42.00 11-28 23-52 30-50 5-10 1.25-1.50 14.00-42.00 11-28 23-52 30-50 5-10 1.25-1.50 14.00-42.00 1 1-3 43-75 20-50 5-10 1.05-1.35 42.00-141.00 3-7 43-75 20-50 5-10 1.25-1.50 42.00-141.00 7-17 23-75 20-50 5-10 1.25-1.50 42.00-141.00 7-17 23-75 20-50 5-10 1.25-1.50 42.00-141.00 3-7 43-75 20-50 5-10 1.25-1.50 42.00-141.00 7-17 23-75 20-50 5-10 1.05-1.35 42.00-141.00 3-7 43-75 20-50 5-10 1.25-1.50 42.00-141.00 7-17 23-75 20-50 5-10 1.25-1.50 42.00-141.00 7-17 23-75 20-50 5-10 1.25-1.50 42.00-141.00 7-17 23-75 20-50 5-10 1.25-1.50 42.00-141.00 7-17 23-75 20-50 7-27 1.25-1.50 42.00-141.00	In Pct Pct Pct g/cc um/sec In/in 0-1	In Pct Pct Pct g/cc um/sec In/in Pct O-1 1-3 20-50 50-70 5-10 1.05-1.35 4.00-42.00 0.21-0.23 0.0-2.9 3-9 25-65 20-70 5-10 1.25-1.50 14.00-42.00 0.17-0.21 0.0-2.9 9-25 23-52 30-50 15-30 1.25-1.50 14.00-42.00 0.17-0.21 0.0-2.9 1-3 43-75 20-50 5-10 1.05-1.35 42.00-141.00 0.13-0.18 0.0-2.9 7-17 23-75 20-50 5-10 1.25-1.50 42.00-141.00 0.10-0.16 0.0-2.9 11-28 23-52 30-50 15-30 1.25-1.50 14.00-42.00 0.17-0.21 0.0-2.9 11-28 23-52 30-50 5-10 1.25-1.50 14.00-42.00 0.13-0.18 0.0-2.9 11-28 23-52 0-50 5-10 1.25-1.50 14.00-42.00 0.17-0.21 0.0-2.9 1-3 43-75 20-50 5-10 1.25-1.50 14.00-42.00 0.17-0.21 0.0-2.9 11-28 23-52 30-50 15-30 1.25-1.50 14.00-42.00 0.17-0.21 0.0-2.9	Note	Dulk hydraulic water extensi matter kw	Number N	Note Pet Pet Pet Pet Gensity Conductivity Capacity Dility Pet Pet Pet Pet Gensity Conductivity Capacity Dility Pet	In Pct Pct Pct Pct g/cc um/sec In/in Pct Pct Pct

Map symbol	 Depth	 Sand	 Silt	Clay	 Moist	 Saturated	 Available	 Linear	 Organic	Erosi	on fac	tors	1	Wind erodi-
and soil name	- 	 	 	- 	bulk density	hydraulic conductivity 	water capacity 	extensi- bility 	matter 	 Kw	 Kf	 T 	bility group	bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
73155:	 0-4	2 20	40 60	40.60		4 00 14 00							8	
Gasconade	0-4 4-13	2-20 2-40			1.35-1.50 1.45-1.70		0.11-0.15	1	6.0-12 2.0-10	1.10	.10	1	8	0
	4-13	2-40	20-60 	35-75	1.45-1.70	1.40-4.00	0.04-0.10	3.0-5.9	2.0-10			 		
Rock outcrop	 	j 	 		 	 	j 	 	j 	 	j 	 	j 	j
-	İ	<u> </u>	İ I		İ	İ	İ		İ	İ	İ	İ		İ
73156:					ļ		ļ			ļ	ļ	.		
Alred	0-1											4	8	0
	1-6	10-45	50-80		1.20-1.45	I .	0.09-0.15		1.0-10	.10	.28			
	6-11	10-45	50-80		1.25-1.45		0.12-0.17	1	0.5-2.0	.15	.32			
	11-31 31-79	10-40 1-30			1.40-1.55 1.50-1.65	4.00-14.00 1.40-4.00	0.06-0.15	I	0.2-1.0	1.15	.32 .10	 	1	
	31 /							3.0 3.5	0.1 1.0	.03				İ
Gepp	0-1		i i		i	i	i		i	j	i	4	8	0
	1-6	10-40	50-80	8-18	0.95-1.05	4.00-14.00	0.09-0.15	0.0-2.9	3.0-10	.10	.24	İ	İ	ĺ
	6-12	5-30	30-60	27-65	1.25-1.40	4.00-14.00	0.09-0.16	3.0-5.9	0.3-1.0	.15	.28	ĺ		İ
	12-67	1-30	5-40	60-95	1.20-1.40	1.40-4.00	0.07-0.10	3.0-5.9	0.2-1.0	.05	.10			
73157:	 	 	 		 	 	 	 	 	 	 	 		
Captina	l 0-5	 5-30	ı 60-80	 5_15	0.95-1.15	4.00-14.00	0.22-0.24	 n n_2 9	2.0-6.0	1 .43	1 .43	l 3	l 5	l l 56
Captina	5-25		50-80 50-80			4.00-14.00	0.17-0.21	1	0.3-1.0	1 .43	1 .43]		30
	25-31	2-30			1.55-1.75	•	0.02-0.08	:	0.1-0.3	1.10	1 .43	İ		
	31-78		10-60		1.45-1.65	1	0.02-0.08		0.1-0.3	1.10	.20			İ
F4644														
74644: Deible	l l 0-7	 E 20	 50-80	10 27	 1.30-1.45	4.00-14.00	0.22-0.24	 0.0-2.9	1.0-4.0	1 .43	 .43	 3	 5	l l 56
Deible	0-7 7-16	5-30 5-30				4.00-14.00	0.22-0.24		0.3-2.0	1 .43	1 .43	3	l 2	1 20
	16-40		50-80 40-70		1.35-1.45		0.20-0.22	1	0.3-2.0	1 .32	32			
	10-40		40-70 30-70		1.35-1.50	į.	0.10-0.10	!	0.1-0.3	37	37			
	į	<u> </u>					İ	İ	İ	İ	İ	İ	İ	İ
74645:		ļ	ļ				ļ		Į			Į	ļ	
Higdon	0-8	!	50-80		1.20-1.45	I .	0.22-0.24	1	2.0-4.0	.43	.43	5	5	56
	8-13	2-20			1.20-1.45	I .	0.22-0.24		0.9-1.0	.49	.49	!		
	13-27		50-70		1.40-1.50	I .	0.18-0.20	I	0.3-0.9	.37	.37			
	27-67	2-20	55-80	20-35	1.35-1.50	1.40-4.00	0.16-0.20	3.0-5.9	0.2-0.5	.49	.49			

Map symbol	 Depth	 Sand	 Silt	 Clav	 Moist	 Saturated	 Available	 Linear	 Organic	Erosi	on fact	tors	1	Wind erodi
and soil name					bulk density	hydraulic conductivity	water	extensi- bility	matter 	 Kw	 Kf 	 T 	bility	
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct			—— 		
74646:]]							ļ	Į		Į	ļ	
Cornwall	0-5	2-20			1.00-1.20	4.00-14.00	0.20-0.24	Į.	1.0-3.0	.43	.43	4	5	56
	5-17	2-20			1.25-1.45		0.16-0.20		0.3-0.9	.43	.43			
	17-39	2-20	60-80		1.50-1.70	!	0.08-0.18		0.1-0.3	.55	.55			
	39-60	10-40	20-60	27-50	1.45-1.65	4.00-14.00	0.06-0.14	0.0-2.9	0.1-0.3	.17	.37			
74647:	 					 	 	 	 		 	! 		
Cornwall	0-6	2-20	60-80	10-20	1.00-1.20	4.00-14.00	0.20-0.24	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	6-34	2-20	60-80	27-35	1.25-1.45	4.00-14.00	0.16-0.20	0.0-2.9	0.3-0.9	.43	.43	İ	İ	İ
	34-52	2-20	60-80	20-30	1.50-1.70	0.42-1.40	0.08-0.20	0.0-2.9	0.1-0.3	.55	.55	İ	İ	İ
	52-60	10-40	20-60	27-50	1.45-1.65	4.00-14.00	0.06-0.14	0.0-2.9	0.1-0.3	.17	.37	į	į	į
74648:	 	 	 		<u> </u>	 	 	 	 	 	 	 	 	
Aslinger	0-4	10-40	50-80	10-20	0.90-1.10	4.00-14.00	0.18-0.22	0.0-2.9	2.0-4.0	.37	.37	4	5	56
	4-8	10-40	50-80		0.90-1.10		0.18-0.22		0.5-2.0	1.37	.49	i		
	8-21	5-20	45-70			4.00-14.00	0.08-0.16	1	0.2-1.0	.43	.43	i		i
	21-29	10-45	45-70			1.40-4.00	0.01-0.05		0.2-0.3	.20	.43	İ		
	29-55	10-45	25-50		1.30-1.60		0.05-0.13		0.2-0.3	1.15	.32	İ	İ	1
	55-70		15-50			1.40-4.00	0.02-0.13		0.2-0.3	.10	.20	<u> </u>		į
74649:	 					 	 	 	 		 	 		
Aslinger	0-3	1 10-40	 50-80	10-20	0.90-1.10	4.00-14.00	0.18-0.22	l 0 0-2 9	2.0-4.0	1 .37	.37	 4	l 5	56
1151111901	3-8	10-40	50-80		0.90-1.10		0.18-0.22		0.5-2.0	1.37	.49	i	5	50
	8-20	5-20				4.00-14.00	0.08-0.16		0.2-1.0	.43	.43			
	20-39	10-45	45-70			1.40-4.00	0.01-0.05	1	0.2-0.3	.20	.43	i		
	39-52	10-45	25-50			1.40-4.00	0.05-0.13		0.2-0.3	1.15	.32	İ	i i	
	52-80	5-45			1.30-1.60		0.02-0.13		0.2-0.3	1.10	.20			
Waben	 0-6	 5-40	50-80	10-15	 1 20-1 50	 14.00-42.00	 0.09-0.13	 0.0-2.9	 1.0-3.0	1.28	 .43	 4	 8	 0
Wabeli	6-15	5-40				14.00-42.00	0.05-0.13	1	0.5-1.0	1.15	.49	i -	i o	1
	15-54	3-40 20-52	1			14.00-42.00	0.05-0.15	I	0.5-1.0	1 .10	1 .32	 	l I	
	54-80	20-50	1	-		14.00-42.00	0.05-0.15	!	0.0-0.5	1.10	.24	 		
74650:						 					 	 		
Higdon	l l 0-5	1 10-40	 50_20	10-20	 1 20_1 45	4.00-14.00	 0.22-0.24	 0 0-2 0	1.0-3.0	1 .43	l .43	l I 5	l 5	 56
11190011	0-5 5-16	10-40			1.40-1.45		0.22-0.24		0.8-2.0	1 .43	.43	l I	ا ت	30
	5-16 16-33	10-40 5-20	45-75		1.40-1.50	I	0.18-0.20	I	0.8-2.0	1 .43	.43	 		
	33-80	5-20 5-40	1			1.40-4.00	0.15-0.19	I	0.4-0.7	1 .37	.43 .37	 	 	1
	33-80 	5-40	30-75	T2-35	1 .35-1.50	1.40-4.00	10.15-0.20	3.0-5.9 	U.⊿-U.3	.5/	.3/ 	l I	 	

Map symbol	 Depth	 Sand	 Silt	Clav	Moist	 Saturated	 Available	 Linear	 Organic	Erosi	on fact	tors	1	Wind erodi
and soil name					bulk density	baddrated hydraulic conductivity 	water	extensi-	matter	 Kw	 Kf	 T	bility	
	 In	 Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
74684:														
Racoon	0-4	5-20			1.30-1.50	1	0.22-0.24	I	2.0-6.0	.37	.37	5	5	56
	4-26	5-20				1.40-4.00	0.22-0.24		0.5-1.0	.49	.49			
	26-58	5-35	40-80		1.35-1.50		0.18-0.22		0.0-0.5	.43	.43			
	58-80	1-50	30-80	15-27	1.35-1.60	0.42-1.40	0.18-0.22	3.0-5.9	0.0-0.2	.43	.43			
75381:	 					 	 	 			 	 		
Bearthicket	0-6	2-40	50-85	10-20	1.20-1.40	4.00-14.00	0.22-0.24	0.0-2.9	1.0-4.0	.49	.49	5	5	56
	6-19	2-40	50-85	10-20	1.20-1.50	4.00-14.00	0.22-0.24	0.0-2.9	0.5-2.0	.55	.55	İ	ĺ	İ
	19-45	2-40	50-80	15-30	1.20-1.50	4.00-14.00	0.20-0.22	0.0-2.9	0.2-1.0	.49	.49			
	45-64	2-40	40-80	10-25	1.20-1.50	4.00-14.00	0.18-0.22	0.0-2.9	0.2-0.5	.37	.37			
	64-80	40-80	10-50	5-20	1.20-1.50	4.00-14.00	0.07-0.13	0.0-2.9	0.2-0.5	.15	.15			
75395:	 	 		 		 					 	<u> </u>		
Jamesfin	0-6	2-40	50-85	10-20	1.20-1.40	4.00-14.00	0.22-0.24	0.1-2.9	2.0-4.0	.43	.43	5	5	56
	6-15	2-40	50-85	10-20	1.20-1.40	4.00-14.00	0.22-0.24	0.1-2.9	1.0-2.0	.43	.43	İ	İ	İ
	15-53	2-35	50-80	15-27	1.20-1.50	4.00-14.00	0.20-0.22	0.1-2.9	0.2-1.0	.49	.49	İ	İ	
	53-62	2-65	30-80	7-27	1.20-1.50	4.00-14.00	0.14-0.22	0.1-2.9	0.2-1.0	.37	.37	į	į	į
75408:	 	 		 		 	 	 	 	 	 	 	 	
Secesh	0-4	10-40	50-75	10-20	1.00-1.10	4.00-14.00	0.21-0.23	0.0-2.9	2.0-4.0	.24	.37	5	5	56
	4-10	10-52					0.19-0.23		0.5-2.0	.32	.37	İ	İ	İ
	10-26	10-40	35-65	18-27	1.20-1.40	4.00-14.00	0.14-0.21	0.0-2.9	0.3-1.0	.28	.37	İ	İ	İ
	26-36	40-60	20-50	15-27	1.30-1.50	4.00-14.00	0.13-0.19	0.0-2.9	0.2-0.5	.15	.24	İ	İ	İ
	36-80	52-85	5-35	10-27	1.50-1.70	14.00-42.00	0.04-0.12	0.0-2.9	0.2-0.5	.05	1.15	į	į	İ
75409:	 			 		 	 	 	 		 	 		
Relfe	i 0-7	50-80	10-45	4-10	1.10-1.50	42.00-141.00	0.11-0.15	0.0-2.9	1.0-4.0	.05	.05	5	8	i o
	7-64	75-98	2-35			42.00-141.00			0.0-0.7	.02	.10	ļ		İ
75410:	 	 		 		 	 	 	 		<u> </u>	 	 	
Relfe	0-6	52-80	10-40	5-10	1.10-1.50	42.00-141.00	0.08-0.12	0.0-2.9	1.0-4.0	.05	.05	5	8	0
	6-64	75-98				42.00-141.00			0.0-0.7	.02	.10			
75411:	 			 		 	 	 	 		 	 		
Tilk	l l 0-8	 45_80	20-50	 5_15	 1	1 14.00-42.00	 	 0.0-2.9	2.0-10	1 .10	1 .20	l 5	l 8	1 0
11117	0-8 8-16	45-80				14.00-42.00	1	1	0.9-2.0	1 .10	1 .28]	1 0	0
	6-10 16-47		20-50			14.00-42.00	1	1	0.3-2.0	1 .15	32			
	10-47		5-35			14.00-42.00	I	1	1	1 .02	.32			

Map symbol	 Depth	 Sand	 Silt	Clay	 Moist	 Saturated	 Available	Linear	 Organic	Erosi	on fact	tors		Wind erodi
and soil name					bulk density	buturated hydraulic conductivity	water	extensi- bility	matter	Kw	 Kf	 T	bility	1
	 In	 Pct	Pct	Pct	g/cc	um/sec	 In/in	Pct	 Pct		 	 		.
75416:	 	 	 			 					 			
Gladden	0-5	35-52	33-50	10-15	0.95-1.15	4.00-14.00	0.18-0.22	0.0-2.9	1.0-3.0	1.10	.37	4	3	86
	5-26	20-52	33-70	10-15	0.95-1.15		0.15-0.22	0.0-2.9	0.5-1.0	.15	.37	ĺ	ĺ	İ
	26-58	30-75	20-50	5-20	1.25-1.55	4.00-14.00	0.12-0.18	0.0-2.9	0.1-0.9	.02	.32	ĺ	İ	
	58-77	70-98	2-25	1-10	1.45-1.55	42.00-140.00	0.02-0.12	0.0-2.9	0.0-0.2	.02	.10			
77000:						 			 		! 	 		
Killarney												4	8	0
	1-5	10-45				4.00-14.00	0.09-0.15		3.0-6.0	.10	.43			
	5-16	10-45	50-80		0.95-1.10		0.12-0.20	0.0-2.9	0.3-2.0	.15	.55			
	16-32	10-40	50-75			1.40-4.00	0.08-0.14		0.2-0.7	.15	.55			
	32-48	20-45	40-60			0.01-0.42	0.02-0.06		0.0-0.2	.15	.49	ļ		
	48-80	20-50	30-50 	15-40	1.45-1.65	0.14-4.00	0.03-0.07	0.0-2.9	0.0-0.3	.20	.37	 		
Frenchmill	0-1		 		 	 						5	8	0
	1-6	10-45	50-80		1.10-1.40	I .	0.09-0.15	0.0-2.9	1.0-10	.05	.24			
	6-19	10-45			1.20-1.50		0.12-0.20		0.5-2.0	.32	.37			
	19-27	10-40	50-70		1.20-1.50	•	0.08-0.14		0.2-0.9	.15	.43			
	27-58	23-50			1.30-1.55	I .	0.06-0.12		0.1-0.3	.15	.32			
	58-80	23-60	15-50	20-40	1.20-1.50	4.00-14.00	0.10-0.16	0.0-2.9	0.1-0.3	.15	.28	 		
77001:						 					 	 		
Loughboro	0-4		60-80		1.20-1.40	Į.	0.22-0.24	I .	2.0-5.0	.55	.55	3	5	56
	4-12	5-30			1.30-1.60	I .	0.22-0.24		0.3-1.0	.64	.64			
	12-17	2-20			1.30-1.50	I .	0.10-0.18		0.2-0.5	.37	.37	ļ	ļ	
	17-45	2-20			1.30-1.50	į.	0.19-0.21	ı	0.2-0.5	.37	.37	ļ		-
	45-67 	5-35 	50-70 	20-35	1.50-1.65 	1.40-4.00	0.17-0.21	3.0-5.9	0.1-0.3	.43	.43 	 		
77002:	ļ	<u> </u>	İ						ļ		į	į	ļ	
Delassus	0-3	1 - 1	50-80		1.20-1.40		0.20-0.24	1	2.0-5.0	.37	.37	3	5	56
	3-7	5-40			1.20-1.40	•	0.20-0.24	0.0-2.9	0.5-2.0	.37	.37			
	7-31	5-40			1.30-1.50	I .	0.15-0.21		0.3-1.0	.37	.43			
	31-61	20-60			l	0.01-0.42	0.04-0.08	0.0-2.9	0.1-0.3	.37	.43			

Map symbol	 Depth	 Sand	 Silt	Clay	 Moist	 Saturated	 Available	 Linear	 Organic	Erosi	on fac	tors	1	Wind erodi-
and soil name	 	 	 	- 	bulk density	hydraulic conductivity 	water capacity 	extensi- bility	matter 	 Kw	 Kf	 T 	bility group 	bility index
	In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
77003:]]					Į		ļ		ļ		
Delassus	0-8		50-80		1.20-1.40	I .	0.17-0.22	1	2.0-5.0	.15	.28	3	5	56
	8-13	5-40			1.20-1.40		0.17-0.23		0.5-2.0	1.15	.37			
	13-20	5-40			1.30-1.50		0.14-0.20		0.3-1.0	.20	.37			
	20-59	20-60			1.60-1.80		0.03-0.07	1	0.1-0.3	.20	.37			
	59-78	5-40	35-70	15-35	1.30-1.50	4.00-14.00	0.04-0.10	0.0-2.9	0.1-0.3	.10	.32	 		
77004:	 		 			 	 	 	 		 	 		
Irondale	0-1	i	i i		i	j	j	j	j	j		2	8	0
	1-4	5-45	50-80	5-15	1.00-1.20	4.00-14.00	0.15-0.21	0.0-2.9	4.0-10	.15	.37	ĺ	ĺ	İ
	4-9	5-45	50-80	5-15	1.10-1.40	4.00-14.00	0.12-0.20	0.0-2.9	1.0-3.0	.15	.37	ĺ	İ	İ
	9-15	2-45	50-80	10-27	1.10-1.50	4.00-14.00	0.08-0.14	0.0-2.9	0.7-1.0	.15	.43	İ	İ	İ
	15-22	10-45	35-60		1.20-1.50	!	0.06-0.12	!	0.2-1.0	1.17	.28	ļ	ļ	
77005:	 		 		 	 	 	 	 		 	 		
Hassler	0-1		i i		i	i	j	i				3	5	56
	1-6	15-45	50-80	5-15	1.00-1.20	4.00-14.00	0.20-0.24	0.0-2.9	2.0-10	.20	.24	İ	İ	İ
	6-11	15-45	50-80	5-15	1.10-1.30	4.00-14.00	0.20-0.24	0.0-2.9	0.5-2.0	.28	.32	İ	İ	İ
	11-20	5-40	40-65	18-35	1.30-1.50	1.40-4.00	0.14-0.20	0.0-2.9	0.2-0.9	.24	.37			
	20-34	40-52	30-50	15-25	1.30-1.50	1.40-4.00	0.10-0.18	0.0-2.9	0.1-0.7	.15	.32			
	34-42	52-75	10-40	5-15	1.35-1.60	4.00-14.00	0.06-0.12	0.0-2.9	0.1-0.2	.10	.32	Ì		
Syenite	0-1		 		 	 	 	 	 		 	 2	 8	0
-	1-4	15-45	50-80	5-15	1.00-1.20	4.00-14.00	0.20-0.24	0.0-2.9	2.0-10	1.10	.32	İ	İ	İ
	4-9	15-45	50-80	5-15	1.10-1.30	4.00-14.00	0.20-0.24		0.5-2.0	.10	.43	İ	İ	İ
	9-19	5-40	40-65	18-35	1.30-1.50		0.14-0.20		0.2-0.9	1.10	.37	İ	İ	İ
	19-29	40-52	30-50	15-25	1.30-1.50	1.40-4.00	0.10-0.18	0.0-2.9	0.1-0.7	.10	.37	İ	İ	İ
	ļ	ļ ļ				0.00-0.00	j	ļ	ļ	j	j	į	İ	į
77006:					 	 	 	 						
Roselle	0-7	1 15-40	ı	10-20	I 1	1.00-10.00	 0.21-0.24	1 0 0-2 9	2.0-5.0	1 .43	1 .43	l 5	l 5	l 56
MODCITC	0-7 7-15	10-25			1.20-1.40		0.21-0.24	1	0.3-1.0	.43	.43]		50
	15-57	23-52				0.40-4.00	0.15-0.21	1	0.3-1.0	1 .28	32		1	!
	13-37 57-80		20-30 10-30		1.50-1.60		0.10-0.13	1	0.1-0.2	1 .24	1 .24			!
	J,-00 	52-00	±0-30	10-20		1.00 11.00	10.10-0.13	0.0-2.9 	0.1-0.2 	.47	•44 	l	 	

 Depth	 Sand	Silt	Clay	Moist	 Saturated	 Available	Linear	 Organic	Erosio	on fact	tors	1	Wind erodi-
 	 	 		bulk density	hydraulic conductivity 	water capacity 	extensi- bility	matter 	Kw	 Kf	 T		bility index
In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct					
1	1				l	1		I	1	I	1	8	0
						1	l .	1	1				
	!!	!	!			!			1	!	ļ		
0-1					 			 		 	 2	 8	0
1-5	5-45	50-80	5-15	1.00-1.20	4.00-14.00	0.09-0.15	0.0-2.9	4.0-10	.15	.43	İ	İ	İ
5-10	5-45	50-80	5-15	1.10-1.40	4.00-14.00	0.12-0.20	0.0-2.9	1.0-3.0	.24	.55	İ	j	İ
10-17	2-45	50-80	10-27	1.10-1.50	4.00-14.00	0.08-0.14	0.0-2.9	0.7-2.0	.24	.49	ĺ	İ	İ
17-35	10-45	35-60	18-35	1.20-1.50	1.40-4.00	0.06-0.12	0.0-2.9	0.2-1.0	.05	.32	ĺ	İ	İ
			[ļ		ļ
					 			 			 		0
0-1								i		i	3	5	56
1-3	15-45	50-80	5-15	1.00-1.20	4.00-14.00	0.20-0.24	0.0-2.9	2.0-10	1.10	.32	İ	İ	İ
3-9	15-45	50-80	5-15	1.10-1.30	4.00-14.00	0.20-0.24	0.0-2.9	0.5-2.0	.10	.43	İ	İ	İ
9-24	5-40	40-65	18-35	1.30-1.50	1.40-4.00	0.14-0.20	0.0-2.9	0.2-0.9	.10	.37	İ	İ	İ
24-31	40-52	30-50	15-25	1.30-1.50	1.40-4.00	0.10-0.18	0.0-2.9	0.1-0.7	.10	.37	İ	İ	İ
31-48	52-75	10-40	5-15	1.35-1.60	4.00-14.00	0.06-0.12	0.0-2.9	0.1-0.2	.10	.24	İ	İ	İ
	ļ ļ		<u>į</u>			j		j	j	ļ	į	į	į
0-1			i		 			i		 	3	5	56
1-2	2-20	65-85	10-20	1.00-1.20	4.00-14.00	0.21-0.24	0.0-2.9	3.0-10	1.10	.37			
I	1 1	65-85					•		1		i	İ	i
8-14	1-25	50-75	1			1			1.17				
14-23	10-25	30-60			!		0.0-2.9	0.2-0.9	1.10		İ	İ	
23-45						0.04-0.10	0.0-2.9	0.2-0.7	1.10	.37	İ		
					0.00-0.00						İ	İ	İ
	0-1 1-5 5-17 0-1 1-5 5-10 10-17 17-35 1 0-1 1-3 3-9 9-24 24-31 31-48 1-2 2-8 8-14 14-23 23-45	In Pct 0-1	In Pct Pct 0-1	In Pct Pct Pct 0-1	In		Dulk hydraulic water density conductivity capacity	Note Pet Pet Pet g/ce um/sec In/in Pet Pet Pet Section Pet Pet Pet Pet Section Pet P	Note	Depth Sand Silt Clay Moist Saturated hydraulic water extensi matter Moist Conductivity capacity bility Kw	Depth Sand Silt Clay Moist bulk hydraulic water extensi matter matter	Depth Sand Silt Clay Moist bulk bulk hydraulic density conductivity capacity bility matter Kw Kf T	Note

Map symbol	 Depth	Sand	 Silt	Clay	 Moist	 Saturated	Available	Linear	 Organic	Erosi	on fact	tors		Wind erodi-
and soil name	- 	 	 		bulk density	hydraulic conductivity 	water capacity	extensi- bility	matter 	 Kw	 Kf	 T		bility index
	 In	Pct	Pct	Pct	g/cc	um/sec	In/in	Pct	Pct				 	
77010:											ļ			
Trackler	0-1			10.00								2	8	0
	1-4	2-20			1.00-1.20		0.21-0.24	I .	2.0-10	.37	.37			
	4-8 8-13	1-20 1-25	65-85 50-75		1.10-1.50 1.30-1.50		0.21-0.24	0.0-2.9	1.0-2.0	.55	.55 .49			
i	13-25	10-25			•	1.40-4.00	0.13-0.21		0.3-1.0	1 .32	1.49	l I	 	
	25-44	23-80		_		1.40-4.00	0.04-0.10	l .	0.2-0.7	1 .10	32	 	 	
Irondale	 0-1		 	 	 	 	 	 	 		 	 2	 8	 0
	1-5	5-45	50-80	5-15	1.00-1.20	4.00-14.00	0.15-0.21	0.0-2.9	3.0-10	.20	.37	i -		
	5-11	5-45	50-80		1.10-1.40		0.12-0.20	0.0-2.9	1.0-2.0	.20	.49	İ	İ	İ
	11-15	2-45	50-80	10-27	1.10-1.50	4.00-14.00	0.08-0.14	0.0-2.9	0.7-1.0	.10	.43	İ	İ	İ
ĺ	15-24	10-45	35-60	18-35	1.20-1.50	1.40-4.00	0.06-0.12	0.0-2.9	0.2-1.0	.05	.37	İ	İ	j
78250:	 		 		 	 			 		 	 	 	
Skrainka	0-6	5-35	1		1.10-1.30		0.20-0.24		2.0-4.0	.37	.37	5	5	56
	6-33	5-35			1.25-1.55		0.10-0.18	I .	0.3-0.9	.24	.24			
	33-57	23-52			1.30-1.60		0.15-0.19		0.2-0.3	.32	.32	ļ		
	57-80 	52-75 	23-40 	2-20	1.30-1.60 	4.00-14.00	0.11-0.13	0.0-2.9 	0.2-0.2	.32	.32 	 	 	
78251:		ļ									ļ	ļ	į	
Skrainka	0-4				1.10-1.30	I .	0.18-0.22		2.0-4.0	.17	.24	5	6	48
	4-31	5-35				1.40-4.00	0.10-0.18	I .	0.3-0.9	.24	.24			
	31-54 54-80	23-52 52-75			1.30-1.60 1.30-1.60		0.15-0.19		0.2-0.3	37	37	 	 	
	54-60	52-75	23-40 	Z-ZU	1.30-1.60	4.00-14.00 	0.11-0.13	0.0-2.9 	0.2-0.2	.3/	.37	 	 	
99001:	j	Ì	j i		j	j			j	j	j	İ	j	j
Water						 			ļ				ļ	
99006:	 		 		 	 					 	 	 	
Udipsamments	0-60			1-15	1.50-1.70	14.00-42.00	0.05-0.10	0.0-2.9		.10	.10	5	2	134
99008:	 	 	 	 	 	 			 		 	 	 	
Udorthents	0-60	ļ			i	 	0.00-0.00	 	j	j			8	0
Dumps	 0-60	 			 	ļ	0.00-0.00	 	 		 	 	 8	0